

60. An access port device to be implanted in a patient's body, the access port device comprising:

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a body portion comprising an upper body part, a lower body part attachable to the upper body part, and a self-sealing septum between the upper body part and the lower body part,

wherein the upper body part and the lower body part are formed of implantable, biocompatible material, and

wherein a reservoir is defined by the body portion;

an outlet configured to be in flow communication with the reservoir; and

an entry site located on the body portion, the entry site being disposed opposite the outlet and being configured to permit insertion of one of a guidewire and a stylet through the body portion and into the outlet,

wherein an outer surface of the septum forms a portion of an exterior surface of the device.

61. The device of claim 60, wherein the device further comprises an access site located on the upper body part.

62. The device of claim 60, wherein the implantable, biocompatible material is selected from acetal, titanium, and polysulfone.

63. The device of claim 60, wherein the entry site is located on the upper body part.

64. The device of claim 60, wherein the reservoir is defined between the septum and the lower body part.

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65. The device of claim 61, wherein the outlet extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

66. The device of claim 61, wherein the entry site extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

67. The device of claim 61, wherein the septum comprises a unitary, single-piece construction comprising a first septum portion and a second septum portion, the first septum portion providing access to the reservoir via the entry site and the second septum portion providing access to the reservoir via the access site.

68. An assembly comprising:

the device of claim 60; and

a catheter connected to the outlet.

69. The device of claim 60, wherein the body portion comprises at least one suture hole configured to permit the device to be sutured inside the body of a patient.

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70. An access port device to be implanted in a patient's body, the access port device comprising:

a body portion comprising an upper body part, a lower body part attachable to the upper body part, and a self-sealing septum between the upper body part and the lower body part,

wherein the upper body part and the lower body part are formed of implantable, biocompatible material, and

wherein a reservoir is defined by the body portion;

an outlet configured to be in flow communication with the reservoir;

an entry site located on the body portion,

wherein the entry site is configured to permit access to the reservoir; and

an access site located on the body portion,

wherein the access site is configured to permit access to the reservoir,

and

wherein an outer surface of the septum forms a portion of an exterior surface of the device.

71. The device of claim 70, wherein the access site is located on the upper body part.

72. The device of claim 70, wherein the entry site is disposed opposite the outlet.

73. The device of claim 70, wherein the implantable, biocompatible material is selected from acetal, titanium, and polysulfone.

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74. The device of claim 70, wherein the entry site is located on the upper body part.

75. The device of claim 70, wherein the reservoir is defined between the septum and the lower body part.

76. The device of claim 70, wherein the outlet extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

77. The device of claim 70, wherein the entry site extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

78. The device of claim 70, wherein the septum comprises a unitary, single-piece construction comprising a first septum portion and a second septum portion, the first septum portion providing access to the reservoir via the entry site and the second septum portion providing access to the reservoir via the access site.

79. An assembly comprising:

the device of claim 70; and

a catheter connected to the outlet.

80. The device of claim 70, wherein the body portion comprises at least one suture hole configured to permit the device to be sutured inside the body of a patient.

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81. An access port device to be implanted in a patient's body, the access port device comprising:

a body portion comprising an upper body part, a lower body part attachable to the upper body part, and a self-sealing septum between the upper body part and the lower body part,

wherein the upper body part and the lower body part are formed of implantable, biocompatible material, and

wherein a reservoir is defined by the body portion;

an outlet configured to be in flow communication with the reservoir; and

an entry site located on the body portion, the entry site being disposed opposite the outlet and being configured to permit insertion of one of a guidewire and a stylet through the body portion and into the outlet,

wherein the entry site is defined by a hole in the body portion.

82. The device of claim 81, wherein the device further comprises an access site located on the upper body part.

83. The device of claim 81, wherein the implantable, biocompatible material is selected from acetal, titanium, and polysulfone.

84. The device of claim 81, wherein the entry site is located on the upper body part.

85. The device of claim 81, wherein the reservoir is defined between the septum and the lower body part.

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86. The device of claim 82, wherein the outlet extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

87. The device of claim 82, wherein the entry site extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

88. The device of claim 82, wherein the septum comprises a unitary, single-piece construction comprising a first septum portion and a second septum portion, the first septum portion providing access to the reservoir via the entry site and the second septum portion providing access to the reservoir via the access site.

89. An assembly comprising:

the device of claim 81; and

a catheter connected to the outlet.

90. The device of claim 81, wherein the body portion comprises at least one suture hole configured to permit the device to be sutured inside the body of a patient.

91. An access port device to be implanted in a patient's body, the access port device comprising:

a body portion comprising an upper body part, a lower body part attachable to the upper body part, and a self-sealing septum between the upper body part and the lower body part,

wherein the upper body part and the lower body part are formed of implantable, biocompatible material, and

wherein a reservoir is defined by the body portion;

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an outlet configured to be in flow communication with the reservoir;
an entry site located on the body portion,
wherein the entry site is configured to permit access to the reservoir, and
wherein the entry site is defined by a hole in the body portion; and
an access site located on the body portion,
wherein the access site is configured to permit access to the reservoir.

92. The device of claim 91, wherein the access site is located on the upper body part.

93. The device of claim 91, wherein the entry site is disposed opposite the outlet.

94. The device of claim 91, wherein the implantable, biocompatible material is selected from acetal, titanium, and polysulfone.

95. The device of claim 91, wherein the entry site is located on the upper body part.

96. The device of claim 91, wherein the reservoir is defined between the septum and the lower body part.

97. The device of claim 91, wherein the outlet extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

98. The device of claim 91, wherein the entry site extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

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99. The device of claim 91, wherein the septum comprises a unitary, single-piece construction comprising a first septum portion and a second septum portion, the first septum portion providing access to the reservoir via the entry site and the second septum portion providing access to the reservoir via the access site.

100. An assembly comprising:

the device of claim 91; and

a catheter connected to the outlet.

101. The device of claim 91, wherein the body portion comprises at least one suture hole configured to permit the device to be sutured inside the body of a patient.

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102. An access port device to be implanted in a patient's body, the access port device comprising:

a body portion comprising an upper body part, a lower body part attachable to the upper body part, and a self-sealing septum between the upper body part and the lower body part,

wherein the upper body part and the lower body part are formed of implantable, biocompatible material, and

wherein a reservoir is defined by the body portion;

an outlet configured to be in flow communication with the reservoir;

an entry site located on the body portion,

wherein the entry site is configured to permit access to the reservoir; and

an access site located on the body portion,

wherein the access site is configured to permit access to the reservoir,

and

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portion. wherein the access site is defined by a target area opening in the body

103. The device of claim 102, wherein the access site is located on the upper body part.

104. The device of claim 102, wherein the entry site is disposed opposite the outlet.

105. The device of claim 102, wherein the implantable, biocompatible material is selected from acetal, titanium, and polysulfone.

106. The device of claim 102, wherein the entry site is located on the upper body part.

107. The device of claim 102, wherein the reservoir is defined between the septum and the lower body part.

108. The device of claim 102, wherein the outlet extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

109. The device of claim 102, wherein the entry site extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

110. The device of claim 102, wherein the septum comprises a unitary, single-piece construction comprising a first septum portion and a second septum portion, the first septum portion providing access to the reservoir via the entry site and the second septum portion providing access to the reservoir via the access site.

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111. An assembly comprising:

the device of claim 102; and

a catheter connected to the outlet.

112. The device of claim 102, wherein the body portion comprises at least one suture hole configured to permit the device to be sutured inside the body of a patient.

113. A system comprising:

the access port device of claim 60; and

one of a guidewire and a stylet,

wherein the entry site is configured to permit insertion of said one of a guidewire and a stylet through the body portion and into the outlet.

114. A system comprising:

the access port device of claim 70; and

one of a guidewire and a stylet,

wherein the entry site is configured to permit insertion of said one of a guidewire and a stylet through the body portion and into the outlet.

115. A system comprising:

the access port device of claim 81; and

one of a guidewire and a stylet,

wherein the entry site is configured to permit insertion of said one of a guidewire and a stylet through the body portion and into the outlet.

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116. A system comprising:
the access port device of claim 91; and
one of a guidewire and a stylet,
wherein the entry site is configured to permit insertion of said one of a guidewire
and a stylet through the body portion and into the outlet.

117. A system comprising:
the access port device of claim 102; and
one of a guidewire and a stylet,
wherein the entry site is configured to permit insertion of said one of a guidewire
and a stylet through the body portion and into the outlet.

118. A system comprising:
one of a guidewire and a stylet; and
an access port device to be implanted in a patient's body, the access port device
comprising

a body portion comprising a self-sealing septum,
wherein a reservoir is defined by the body portion;
an outlet for fixedly attaching a catheter to the body portion in continuous,
unimpeded fluid communication with the reservoir; and
an entry site located on the body portion,
wherein the entry site is disposed opposite the outlet, and
wherein the entry site is configured to permit insertion of said one of a
guidewire and a stylet through the body portion and into the outlet.

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119. The system of claim 118, wherein the body portion comprises an upper body part and a lower body part attachable to the upper body part, and wherein the self-sealing septum is between the upper body part and the lower body part.

120. The system of claim 118, wherein the access port device further comprises an access site located on the body portion, the septum providing access to the reservoir via the access site.

121. The system of claim 120, wherein the septum provides access to the reservoir via the entry site.

122. The system of claim 120, wherein the outlet extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

123. The system of claim 120, wherein the entry site extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

124. The system of claim 118, wherein the system further comprises a catheter fixedly attachable to the outlet.

125. A system comprising:

one of a guidewire and a stylet; and

an access port device to be implanted in a patient's body, the access port device comprising

a body portion comprising a self-sealing septum,

wherein a reservoir is defined by the body portion;

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an outlet for fixedly attaching a catheter to the body portion in continuous, unimpeded fluid communication with the reservoir;

an entry site located on the body portion,

wherein the entry site is configured to permit access to the reservoir, and

wherein the entry site is configured to permit insertion of said one of a guidewire and a stylet through the body portion and into the outlet; and

an access site located on the body portion,

wherein the access site is configured to permit access to the reservoir.

126. The system of claim 125, wherein the body portion comprises an upper body part and a lower body part attachable to the upper body part, and wherein the self-sealing septum is between the upper body part and the lower body part.

127. The system of claim 125, wherein the septum provides access to the reservoir via the access site.

128. The system of claim 127, wherein the septum provides access to the reservoir via the entry site.

129. The system of claim 125, wherein the outlet extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

130. The system of claim 125, wherein the entry site extends away from the reservoir in a first direction, and wherein the access site extends away from the reservoir in a second direction substantially perpendicular to the first direction.

131. The system of claim 125, wherein the system further comprises a catheter fixedly attachable to the outlet.--

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